

**AN 0000135**

**Title** Chemicals and Human Health Web Site, Environmental Tobacco Smoke and Lung Development Activity

**Author(s)** Hines, S.

**Publication Year** 2000

**Format** Web site

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** Web site

**Availability** Public domain. No restrictions.

**See Web site:** [http://www.biology.arizona.edu/chh/activities/tobacco\\_smoke/sign\\_in.html](http://www.biology.arizona.edu/chh/activities/tobacco_smoke/sign_in.html)

**COEP** University of Arizona

**Subjects** Educational Web sites, Internet resources, Classroom activities, Toxicology, Science education, Lung diseases, Environmental tobacco smoke/secondhand smoke, Tobacco smoke, Asthma, Lung cancer, Scientific methods, Animal testing

**Abstract** Although it is known that environmental tobacco smoke (ETS) is linked to a variety of respiratory health problems, including asthma, respiratory tract infections, and decreased lung function, questions remain about how ETS causes these problems. This classroom activity introduces students to such questions and teaches them about the scientific method and toxicology by examining the methods and results of an actual University of Arizona research experiment to study the effects of ETS on the lungs of mice. This Web site contains four sections. The first two describe the experiment's hypothesis and methods, respectively. The third describes how the experimental data are collected and allows students to collect data using pictures of microscope slides produced during the experiment. The fourth section allows students to evaluate alternative interpretations of the data they collected and describes how they relate to the results of the actual experiment carried out by university researchers. Student use the accompanying hard-copy sheets to record their answers (see AN0000134).

**Notes** See AN0000134 for the accompanying teacher's guide and student sheet.

**AN 0000136**

**Title** Isolation of Naturally Occurring Pesticides (teacher's guide)

**Author(s)** Martin, A.

Reibach, P.

Bender, D.

**Publication Year** 2000

**Format** Course material, classroom material

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** 2 pp; b&w

**Availability** Public domain. No restrictions.

PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Science education, Scientific methods, Insecticides, Pesticides

**Abstract** In this classroom experiment, students learn principles of biology, environmental science, and ecology by observing the effects on fruit flies of naturally occurring pesticides, such as those found in various spices and flowers. This teacher's guide provides background information, a list of necessary materials, preparation instructions, and recommendations for variations on the experiment. (See AN0000137 for the accompanying student sheets.)

**Notes** See AN0000137 for accompanying student sheets. This activity is a modified version of an activity provided by Rohm & Haas Company. For the original activity, see <http://www.rohmhaas.com/company/plabs.dir/pdfdocs/isolatio.pdf>

**AN 0000137**

**Title** Naturally Occurring Pesticides (student sheets)

**Author(s)** Hines, S.

**Publication Year** 2000

**Format** Course material, classroom material

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** 2 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Science education, Scientific methods, Insecticides, Pesticides

**Abstract** In this classroom experiment, students learn principles of biology, environmental science, and ecology by observing the effects on fruit flies of naturally occurring pesticides, such as those found in various spices and flowers. These student sheets provide instructions and forms for recording results. (See AN0000136 for the accompanying teacher's guide.)

**Notes** See AN0000136 for accompanying teacher's guide.

**AN 0000138**

**Title** Induced Plant Defenses

**Edition** See Notes

**Author(s)** Wright, P.J.

Bosner, R.

Et al. (See Notes)

**Publication Year** 2000

**Format** Course material, classroom material

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** 13 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Science education, Scientific methods, Observation, Statistics education, Plants

**Abstract** This classroom experiment demonstrates plants' use of chemical defenses to protect themselves in response to physical damage. It helps students learn about biology and environmental science by observing the effects of physical damage to plants on the palatability of leaves to snails. This package of materials includes a teacher instruction sheet, individual and class (pooled) data sheets (with a scoring rubric for the teacher), discussion questions (with answers and a scoring rubric for the teacher), and a student instruction sheet.

**Notes** Revised by S. Hines and R. Millholland. Original in Journal of Biological Education. 1999 Vol 33(4).

AN 0000139

**Title** Race to Find the Cure: Isolation of Chemicals from Plant Leaves  
**Edition** modified by S Hines  
**Author(s)** Martin, A.  
Reibach, P.  
Bender, D.  
**Publication Year** 2000  
**Format** Course material, classroom material  
**Language** English  
**Audience** K-12--Middle school, K-12--High school  
**Physical Description** 6 pp; b&w  
**Availability** Public domain. No restrictions.  
PDF file currently available.  
**COEP** University of Arizona  
**Subjects** Classroom activities, Science education, Scientific methods, Chromatography, Plants, Pharmaceuticals  
**Abstract** Many important pharmaceuticals and other chemicals are derived from plants. This classroom experiment teaches students about the isolation of plant chemicals using chromatography. Students apply different mixtures of spinach extract, beet leaf extract, and food coloring to strips of filter paper; observe the separation of the components of the mixtures; and extract the isolated components from the filter paper using water. This package of materials includes a teacher's guide, student instructions and notes, and discussion questions and answers.

AN 0000140

**Title** From Plant to Drug (lecture)  
**Author(s)** Valcic, S.  
Hines, S.  
**Publication Year** 2000  
**Format** Presentation material  
**Language** English  
**Audience** K-12--Middle school, K-12--High school  
**Physical Description** 19 pp; col; ill  
**Availability** Public domain. No restrictions.  
PDF file currently available.  
**See Web site:** [http://swehsc.pharmacy.arizona.edu/coep/resources/plant\\_drug.ppt](http://swehsc.pharmacy.arizona.edu/coep/resources/plant_drug.ppt)  
**COEP** University of Arizona  
**Subjects** Biodiversity, Pharmaceuticals, Communicable diseases, Cancer, Pesticides, Scientific methods, Medicinal plants  
**Abstract** The biodiversity of plants provides a wealth of chemicals that may have potentially important pharmaceutical and pesticidal properties. This presentation provides an overview of biodiversity, raises awareness about species loss, and describes the methods for developing drugs from botanical samples. It covers sample collection strategies and techniques for extracting, separating, and analyzing chemicals from plants.

AN 0000141

**Title** Tobacco Induced Mutations

**Author(s)** Milholland, R.

Hines, S.

**Publication Year** 2001

**Format** Course material, classroom material

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** 16 pp; b&w; tables

**Availability** Public domain. No restrictions.

PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Science education, Scientific methods, Bacteria, Tobacco, Mutations, Mutagenicity tests, Dose-response relationship, Ultraviolet radiation

**Abstract** Toxicology is a fundamental component of environmental health science. This classroom activity teaches about the basic concepts of toxicology as well as the scientific method and laboratory techniques by observing the mutagenic effects of tobacco on bacteria. Students prepare plates of bacteria and observe the effects on the colonies of the addition of varying concentrations of tobacco extract. The package of materials includes a teacher's guide, student instructions, student and class (pooled) data sheets, and discussion questions.

**Notes** Author notes that this is easier than the AMES Assay, but similar in concept.

AN 0000142

**Title** Good Cells Gone Bad

**Author(s)** Arizona Cancer Center, University of Arizona

**Publication Year** c.2001

**Format** Course material, classroom material

**Language** English

**Audience** K-12

**Physical Description** 15 pp; col; ill

**Availability** Public domain. No restrictions.

PDF file currently available.

**See Web site:** <http://swehsc.pharmacy.arizona.edu/coep/goodcells/>

**COEP** University of Arizona

**Subjects** Cancer, Skin cancer, Cell biology, Classroom activities

**Abstract** Arizona has the highest incidence of skin cancer in the United States. This activity teaches students about the cellular changes that lead to cancer. It provides an overview of the prevalence of cancer, cell structure, and function, and a classroom activity and worksheet that reinforce lessons about cellular structure and the differences between cancer cells and normal cells.

AN 0000143

**Title** Realtime Air Quality Activity

**Author(s)** Hines, S.

**Publication Year** 2001

**Format** Curriculum

**Language** English

**Audience** K-12--High school

**Physical Description** 57 pp; b&w; tables; figures

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://swehsc.pharmacy.arizona.edu/coep/exercises.html>

**COEP** University of Arizona

**Subjects** Science education, Curriculum, Air quality, Data collection, Scientific methods, Air pollution, Ozone (ground-level), Carbon monoxide, Particulate matter, Health effects of pollution, Environmental monitoring, Internet resources, Classroom activities, Lesson plans, Urban health, Tucson area

**Abstract** Air quality monitoring can provide information that is important for protecting public health in urban areas. This activity, designed for use in the Tucson, Arizona area, teaches students about air pollution, its health effects, and its relationship to meteorological factors. Students use the Internet to collect real-time data about air pollution (ozone, carbon monoxide, and particulates), weather (temperature, wind, precipitation), and health effects (asthma attacks, visibility), and look for patterns and relationships. The activity includes lessons in the use of spreadsheets and statistics. The materials package includes a teacher's guide, overheads for the teacher's use in introducing the activity to the class, and student instruction sheets. Data come from a Web site of the Pima County, Arizona, Department of Environmental Quality, <http://www.deq.co.pima.az.us/drdas/reportmain.asp>.

**Notes** Zipped file contains 3 PDF files. Web site for more student materials is <http://swehsc.pharmacy.arizona.edu/coep/airexercise/>

AN 0000144

**Title** CO City Web Site (with guide)

**Author(s)** King, J.

**Publication Year** 2001

**Format** Web site

**Language** English

**Audience** K-12

**Physical Description** Guide: 4 pp; b&w; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://swehsc.pharmacy.arizona.edu/coep/empact/airinonow/games/inversion-simulation-5-why.html>

**COEP** University of Arizona

**Subjects** Educational Web sites, Internet resources, Carbon monoxide, Air pollution, Air pollution sources, Atmosphere, Vehicle emissions, Lesson plans, Classroom activities

**Abstract** Carbon monoxide is a colorless, odorless, poisonous gas formed when carbon in fuels is not burned completely and is an important air quality consideration, especially in urban areas. This interactive Web-based activity allows students to explore the effects of anthropological activities (e.g., driving during rush hour) and meteorological factors (e.g., temperature, air mixing) on levels of carbon monoxide in the urban atmosphere. Students may adjust the time of day and size of city and see graphical depictions of traffic activity and associated carbon monoxide pollution levels. Supplemental commentary explains the principles behind air mixing and inversion layers. A guide that accompanies the Web site provides an overview of the activity's components, as well as a student worksheet and teacher answer key.

AN 0000145

**Title** Growth and Disease

**Author(s)** Cardell, D.

**Publication Year** c.2001

**Format** Curriculum

**Language** English

**Audience** K-12--High school

**Physical Description** 10 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Scientific methods, Science education, Viruses, Antibiotics, Parasites, Bacteria, Probability, Lesson plans

**Abstract** The spread of diseases continues to be an important public health concern in the United States and abroad. Teaching accurate information about the nature and consequences of the growth and spread of disease is essential for helping students protect their own health and the health of others. This lesson aims to provide such information through four learning activities that address the following subjects: the spread of viruses, antibiotic action and microbial resistance to drugs, the spread and control of parasitic organisms, and the probability of contracting diseases. The teaching materials package includes an overview of the entire lesson and a description of the objectives, performance tasks, class structure, procedures, and evaluation of each activity.

**Notes** Author is IMPACTT/Sunnyside High School teacher.

AN 0000146

**Title** Risk Management

**Author(s)** Cardell, D.

**Publication Year** c.2001

**Format** Curriculum

**Language** English

**Audience** K-12--High school

**Physical Description** 7 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Risk, Risk assessment, Scientific methods, Hazardous substances, Environmental exposures, Lesson plans

**Abstract** Students will encounter many situations in their lives in which they are required to evaluate risk and make decisions based on their analyses. This lesson aims to provide students with the skills necessary to analyze risk and thus make informed choices through four learning activities that address the following subjects: risk management, risk management tasks and careers, cost/benefit analysis of the use of hazardous chemicals, and modeling of hazardous waste exposure. The teaching materials package includes an overview of the entire lesson and a description of the objectives, performance tasks, class structure, procedures, and evaluation of each activity.

**Notes** Author is IMPACTT/Sunnyside High School teacher.

AN 0000147

**Title** Risk Management and Health Care

**Author(s)** Cardell, D.

**Publication Year** c.2001

**Format** Curriculum

**Language** English

**Audience** K-12--High school

**Physical Description** 9 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Risk, Risk assessment, Health care organizations, Health care providers, Diagnosis, Disease prevention, Lesson plans

**Abstract** An understanding of healthcare management is critical for maintaining one's own health. This lesson aims to build such an understanding through four learning activities that address the following subjects: diagnosis of various illnesses, costs and benefits of disease prevention, healthcare plans and HMOs, and the relative advantages and disadvantages of private healthcare as compared to government-sponsored HMOs. The teaching materials package includes an overview of the entire lesson and a description of the objectives, performance tasks, class structure, procedures, and evaluation of each activity.

**Notes** Author is IMPACTT/Sunnyside High School teacher.

AN 0000148

**Title** Risk Management: Health Risks

**Author(s)** Cardell, D.

**Publication Year** c.2001

**Format** Curriculum

**Language** English

**Audience** K-12--High school

**Physical Description** 9 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Classroom activities, Risk, Risk assessment, Health care, Mental health, Substance abuse, Lesson plans

**Abstract** An understanding of health risks is critical for maintaining one's own health. This lesson aims to help students identify and investigate health risks through four learning activities that address the following subjects: common causes of death, evaluation of personal daily health risks, health risks of substance abuse, and stress and mental health. The teaching materials package includes an overview of the entire lesson and a description of the objectives, performance tasks, class structure, procedures, and evaluation of each activity.

**Notes** Author is IMPACTT/Sunnyside High School teacher.

AN 0000149

**Title** Guide to Keeping Laboratory Notebooks

**Author(s)** Milholland, R.

**Publication Year** 2001

**Format** Curriculum

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** 9 pp; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Scientific methods, Classroom activities

**Abstract** The laboratory notebook can be a vehicle for teaching students about science as well as good record-keeping skills, which are applicable in many fields and job situations. This guide outlines the scientific method and recommends a layout for the notebook. Several pages of an example laboratory notebook are included.

**Notes** Author is IMPACTT/CATTS Fellow.

AN 0000150

**Title** AMES Assay CD-ROM Activity

**Author(s)** Milholland, R.

Hines, S.

**Publication Year** 2001

**Format** Curriculum

**Language** English

**Audience** K-12--Middle school, K-12--High school

**Physical Description** 9 pp

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** University of Arizona

**Subjects** Biological assay, Classroom activities, Mutagenicity tests, Cancer, Mutagens, Carcinogens

**Abstract** The bioassay is an important tool in determining the mutagenicity, and thus potentially carcinogenicity, of chemicals. This activity, for use as a supplement to the CD-ROM "Risky Business: Living in a Chemical World - Essentials of Cell Biology" or "Essentials of Cell Biology: Toxicology in Action" (see AN0000403), teaches students about bioassays, mutagenicity, and cancer etiology. It provides an overview of the activity, a student worksheet, and a teacher instruction sheet and answer key. Students use the CD-ROM to find the definitions of key vocabulary terms and answers to questions about bioassays, toxicological principles, mutagenicity, and cancer.

**Notes** First author is IMPACTT/CATTS Fellow. For use with the CD-ROM "Risky Business: Living in a Chemical World - Essentials of the Cell Biology" or "Essentials of Cell Biology: Toxicology in Action", developed at the Univ. of WA, Dept of Env. Health (see AN0000403).

AN 0000151

**Title** Curriculum for environmental genetics education

**Author(s)** Vandale, S.  
Bingham, E.

**Publication Year** 2000

**Source** American Journal of Preventive Medicine 19(3):197-201.

**Format** Article

**Language** English

**Audience** Scientists/researchers

**Physical Description** 5 pp; b&w; tables; refs

**Availability** Copyrighted. Copying and distribution restricted.  
Available on-line through selected sources.

**COEP** University of Cincinnati

**Subjects** Curriculum, Environmental exposures, Genetics and genetic research, Genetic testing, Outreach to the general public

**Abstract** Advancements in genetic testing and in the understanding of interactions between genes and the environment have great potential for improving human health. However, there are also associated risks and ethical, legal, and social concerns. The Center for Environmental Genetics at the University of Cincinnati's Department of Environmental Health developed an outreach project called Learning Exchange for Genetic and Environmental Disease Solutions (LEGENDS), aimed at improving the public's understanding of environmental genetics and genetic testing. As part of LEGENDS, the Center developed a curriculum for teaching the public about scientific progress and policy issues in these areas. This article describes the importance of public education about environmental genetics and the LEGENDS curriculum.

**Notes** Abstract written by Vandale and Bingham. Table 2 of article contains a description of an interactive role-playing activity focusing on the subject of genetic testing in the workplace. Article can be obtained on-line, for example, through Duke University libraries, <http://www.lib.duke.edu/>

AN 0000152

**Title** LEGENDS (Learning Exchange for Genetic and Environmental Disease Solutions)

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 2001

**Sponsoring Agency** NIEHS

**Format** Web site

**Language** English

**Audience** Community groups/organizations

**Physical Description** Web site

**Availability** Public domain. No restrictions.

**See Web site:** <http://www.med.uc.edu/legends/legends.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Toxicology, Epidemiology, Case studies, Ethics, Environmental health, Genetic pre-disposition to disease, COEP activities

**Abstract** In 1998, the Community Outreach and Education Program at the University of Cincinnati's Center for Environmental Genetics began an outreach project called Learning Exchange for Genetic and Environmental Disease Solutions (LEGENDS). The project aims to cultivate communication between university scientists and community-based and non-governmental organizations and foster understanding of environmental genetics and genetic testing. This Web site provides information about the project's goals, curriculum, staff, activities, news items, advisory network, and related Web sites.

AN 0000153

**Title** Environmental Genetics Course Manual

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 2001

**Sponsoring Agency** NIEHS

**Format** Curriculum

**Language** English

**Audience** General public

**Physical Description** 120 pp (est.)

**Availability** Public domain. No restrictions.  
Manual is not finalized yet.

**COEP** University of Cincinnati

**Subjects** Environmental health, Genetics and genetic research, Cell biology, Genetic pre-disposition to disease, Asthma, Skin cancer, Genome

**Abstract** (Abstract not available at the time of this printing.)

**Notes** Manual will be for use during the CEG's workshops. Currently being reviewed by a committee of CEG and NIOSH experts and should be available in summer 2001. Manual will also be available through the National Clearinghouse for Worker Safety and Health Training, George Meany Center for Labor Studies.

AN 0000154

**Title** Interface: Genes and the Environment

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1994- Note: Serial publication.

**Publisher** Center for Environmental Genetics

**Format** Newsletter

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 4-16 pp; col; ill

**Availability** Public domain. No restrictions.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** COEP activities, Genetic pre-disposition to disease, Genetics and genetic research, NIEHS Centers research and activities, Carcinogens

**Abstract** The Center for Environmental Genetics at the University of Cincinnati publishes its newsletter "Interface: Genes and the Environment" two to three times annually. The newsletter covers the research progress and outreach activities of the Center and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. Back issues are available to the public on the Internet.

**Notes** Resource Center holds Winter 1997 through Winter/Spring 2000. Available at <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>. To subscribe to newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000155

**Title** I'm in Charge of My Own Health (Web site)  
**Author(s)** Center for Research on Environmental Disease, University of Texas M.D. Anderson Cancer Center  
**Publication Year** 2000  
**Publisher** Center for Research on Environmental Disease  
**Format** Web site  
**Language** English  
**Audience** K-12--Elementary school, K-12--Middle school  
**Physical Description** Web site  
**Availability** Public domain. No restrictions.  
**See Web site:** <http://www.veggie-mon.org>  
**COEP** University of Texas M.D. Anderson Cancer Center (Smithville)  
**Subjects** Educational Web sites, Internet resources, Environmental education, Health education, Lesson plans, Ultraviolet radiation, Nutrition, Experiments (lessons), Fish and fish products, Cancer, Skin cancer, Life style, Outreach to students  
**Abstract** The Community Outreach and Education Program of the Center for Research on Environmental Disease developed and maintains a Web site, "I'm in Charge of My Own Health," to provide environmental health information to elementary and middle school students and teachers. The central theme of the site is that lifestyle choices, such as diet and sun avoidance, can significantly affect one's health. Students learn about actions they can take to protect their own health, as well as current environmental health research projects and the implications of their results. The site features cartoon characters, including Veggie-Mon, Sun Spot and Strawberry Girl, who guide students to information pages, science activities, healthful recipes, games, and quizzes. Another feature is a section for submitting environmental health questions to and receiving answers from researchers. For teachers, the site provides information on the subjects and skills covered by each section of the site, a lesson plan, information for obtaining classroom materials, and related educational Web sites.  
**Notes** See also flyer for the Web site - AN0000200.

AN 0000156

**Title** Environment and Gene Interactions Cancer Module  
**Author(s)** Center for Research on Environmental Disease, University of Texas M.D. Anderson Cancer Center  
**Publication Year** 2000  
**Format** Presentation material  
**Language** English  
**Audience** Community groups/organizations, K-12--High school  
**Physical Description** 78 pp; col; ill  
**Availability** Public domain. No restrictions.  
**COEP** University of Texas M.D. Anderson Cancer Center (Smithville)  
**Subjects** Toxicology, Cancer, Tobacco, Alcoholic beverages, Risk, Dose-response relationship, DNA, Carcinogenesis, Environmental exposures, Risk factors, Ultraviolet radiation, Skin cancer, Nutrition, Viruses  
**Abstract** While cancer is often the result of a combination of environmental exposure and genetic susceptibility, lifestyle choices can significantly impact one's risk of developing cancer. This presentation emphasizes this message through a survey of cancer risk factors and provides guidance for interpreting information related to cancer risks. It begins with an overview of toxicological principles, including dose-response and routes of exposure, and then provides a discussion of the process of carcinogenesis and the concept of risk. A variety of important cancer risk factors, including tobacco use, alcohol use, sunlight (ultraviolet light) exposure, diet, exposure to endocrine disruptors, and viral infections, are explored in more depth.  
**Notes** Format is PowerPoint presentation. Available in English and Spanish. See AN0000315 for the Spanish version.

AN 0000157

**Title** Community Outreach & Education Program (COEP), Center for Research on Environmental Disease (bookmark)

**Author(s)** Fuchs-Young, R.  
Cook, D.

**Publication Year** 1997

**Format** Brochure

**Language** English

**Audience** K-12, General public

**Physical Description** 2 pp (folded); col; ill

**Availability** Public domain. No restrictions.

**COEP** University of Texas M.D. Anderson Cancer Center (Smithville)

**Subjects** COEP activities, Outreach activities

**Abstract** This colorful bookmark serves as a compact brochure for the Community Outreach and Education Program of the Center for Research on Environmental Disease of the University of Texas M.D. Anderson Cancer Center. It provides a brief description of a variety of COEP programs and services, as well as the COEP's on-line resources for children.

AN 0000158

**Title** CRED Newsletter--Center for Research on Environmental Disease

**Author(s)** Center for Research on Environmental Disease, University of Texas M.D. Anderson Cancer Center

**Publication Year** 1997- Note: Serial publication.

**Format** Newsletter

**Language** English

**Audience** Scientists/researchers

**Physical Description** 8-14 pp; col; ill

**Availability** Public domain. No restrictions.

**COEP** University of Texas M.D. Anderson Cancer Center (Smithville)

**Subjects** NIEHS Centers research and activities, COEP activities, Environmental health

**Abstract** This newsletter provides information and announcements about the research, publications, and outreach activities of the Center for Research on Environmental Disease at the University of Texas M.D. Anderson Cancer Center. Such activities focus on understanding the mechanisms by which environmental factors lead to disease, particularly cancer, and developing methods for the detection, prevention and control of environmentally-related disease.

**Notes** Resource Center holds January 1997 through December 2000.

**AN 0000159**

**Title** Summer Undergraduate Research Program

**Author(s)** Center for Research on Environmental Disease, University of Texas M.D. Anderson Cancer Center

**Publication Year** 2001

**Format** Other (see Notes)

**Language** English

**Audience** University education--Undergraduates

**Physical Description** 21 pp; col; ill

**Availability** Public domain. No restrictions.

**COEP** University of Texas M.D. Anderson Cancer Center (Smithville)

**Subjects** Summer programs, Undergraduates, Research training, Cancer, Carcinogenesis, Laboratory experiments

**Abstract** The Community Outreach and Education Program of the University of Texas M.D. Anderson Cancer Center sponsors a summer undergraduate research program for students interested in careers in biomedical research. This package contains a selection of materials that describe the way that this program is organized and carried out. Included are a flyer and an announcement describing the program, an application, a list of faculty research interests for interns to review, agendas for orientation and final presentations, a calendar of events, a list of summer carcinogenesis lectures, a student data sheet, announcements/flyers about summer social and educational events, and a program evaluation form.

**Notes** Various formats - includes flyers, meeting agendas, information packages, calendars of events, data forms.

**AN 0000160**

**Title** Environmental Health Sciences Center, Oregon State University, Community Outreach and Education Program Web Site

**Author(s)** Environmental Health Sciences Center, Oregon State University

**Publication Year** 2001

**Format** Web site

**Language** English

**Audience** General public--Local residents, K-12, General public--Children

**Physical Description** Web site

**Availability** Public domain. No restrictions.

**See Web site:** <http://www.ehsc.orst.edu/outreach.htm>

**COEP** Oregon State University

**Subjects** COEP activities, Internet resources, Outreach activities, Toxicology, Teacher education, Community education, Outreach to students

**Abstract** The Community Outreach and Education Program (COEP) of the Oregon State University Environmental Health Sciences Center aims to increase public understanding of the role of environmental factors in health and disease. This Web site provides information about the COEP's environmental health information and resources for the community, teachers, and children.

AN 0000161

**Title** Your Health and Chemical Risks (syllabus)

**Author(s)** Environmental Health Sciences Center, University of Oregon

**Publication Year** 2000

**Format** Course material, classroom material

**Language** English

**Audience** General public--Local residents

**Physical Description** 2 pp; b&w

**Availability** Public domain. No restrictions.

**See Web site:** <http://www.ehsc.orst.edu/outreach/yourhealth.htm>

**COEP** Oregon State University

**Subjects** Toxicology, Community education, Epidemiology, Diet, Risk assessment, Food safety, Lead poisoning, Occupational health

**Abstract** Your Health and Chemical Risks is a free course offered to the community, designed to answer commonly-asked questions about how chemicals can impact human health and to raise awareness about additional sources of information. This syllabus provides a list and description of the lecture topics and presenters, by date, for the Winter 2000 course. The course consists of eight lectures, presented by faculty and staff from Oregon State University, as well as other public and private organizations.

AN 0000162

**Title** Mount Desert Island Biological Laboratory Web Site

**Author(s)** Mount Desert Island Biological Laboratory

**Publication Year** c.2001

**Format** Web site

**Language** English

**Audience** General public--Local residents, K-12

**Physical Description** Web site

**Availability** Public domain. No restrictions.

**See Web site:** <http://www.mdibl.org>

**COEP** Mount Desert Island Biological Laboratory

**Subjects** NIEHS Centers research and activities, COEP activities, Outreach activities, Laboratories, Marine biology, Environmental education

**Abstract** The mission of the Mount Desert Island Biological Laboratory is three-fold: 1) to promote research and education in the biology of marine organisms, 2) to foster understanding and preservation of the environment, and 3) to advance human health. This Web site provides information about the laboratory's research, educational activities, resources, publications, career opportunities, philanthropy, and news items. Educational resources include information about the laboratory's public courses, summer high school and undergraduate programs, and faculty mentors.

**Notes** Follow the "Education" link from the home page.

AN 0000163

**Title** Community Environmental Toxicology Laboratory

**Author(s)** Kent, B.

**Publication Year** 2001

**Format** Other (see Notes)

**Language** English

**Audience** Scientists/researchers--NIEHS Centers, K-12, General public--Local residents

**Physical Description** 1 p; b&w

**Availability** Public domain. No restrictions.  
PDF file currently available.

**COEP** Mount Desert Island Biological Laboratory

**Subjects** Educational laboratory equipment, Water quality, Teacher education, Laboratory experiments, Secondary school education, Science education

**Abstract** Mount Desert Island Biological Laboratory is initiating a new Community Environmental Toxicology Laboratory (CETL) within its Center for Membrane Toxicity Studies. The CETL will provide year-round laboratory space for various K-12 and community water quality projects. This description of the CETL provides information about the purpose and intended activities at the CETL and describes how other NIEHS Centers may use the CETL as a model for community outreach and education.

**Notes** Format is paragraph describing CETL, in lieu of a brochure.

AN 0000164

**Title** Interface: Genes and the Environment, Issue Number 1, Winter 1994

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1994

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 4 pp; col; figures

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, Persian Gulf syndrome, NIEHS Centers research and activities

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article on Gulf War Syndrome, focusing on the inter-individual differences in susceptibility to the disease among exposed US soldiers.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000165**

**Title** Interface: Genes and the Environment, Issue Number 2, Spring 1994  
**Author(s)** Center for Environmental Genetics, University of Cincinnati  
**Publication Year** 1994  
**Publisher** Center for Environmental Genetics  
**Format** Newsletter issue  
**Language** English  
**Audience** Scientists/researchers, General public  
**Physical Description** 6 pp; col; figure  
**Availability** Public domain. No restrictions.  
PDF file currently available.  
**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>  
**COEP** University of Cincinnati  
**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, Dioxins, Cancer, TCDD  
**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about the short- and long-term health effects, including cancer, of exposure to dioxin and other chemicals, focusing on the 1976 dioxin accident in Seveso, Italy.  
**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000166**

**Title** Interface: Genes and the Environment, Issue Number 3, Autumn 1994  
**Author(s)** Center for Environmental Genetics, University of Cincinnati  
**Publication Year** 1994  
**Publisher** Center for Environmental Genetics  
**Format** Newsletter issue  
**Language** English  
**Audience** Scientists/researchers, General public  
**Physical Description** 6 pp; col; figures  
**Availability** Public domain. No restrictions.  
PDF file currently available.  
**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>  
**COEP** University of Cincinnati  
**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, Endocrine disruptors, Cancer  
**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about current knowledge and research questions relating to environmental estrogens, focusing on their environmental and human health effects and the mechanisms by which they cause such effects.  
**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000167**

**Title** Interface: Genes and the Environment, Issue Number 4, Winter 1995

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1995

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 6 pp; col; figures

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, Genetic pre-disposition to disease

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article summarizing the principles and methods of genetic analysis used in research to identify genes that confer susceptibility or resistance to disease related to environmental exposures.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000168**

**Title** Interface: Genes and the Environment, Issue Number 5, Spring 1995

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1995

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 6 pp; col; figures

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, Antioxidants, Tea

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about the role that antioxidants play in maintaining health.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000169**

**Title** Interface: Genes and the Environment, Issue Number 6, Autumn 1995

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1995

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 6 pp; col

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, Asthma, Asthma triggers

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about genetic pre-disposition to and environmental triggers of asthma.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000170**

**Title** Interface: Genes and the Environment, Issue Number 7, Winter 1995

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1995

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 8 pp; col; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, COEP activities, Ohio River Valley, Industrial waste, Heavy metals, Environmental equity

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about the mission and activities of the Center's new Community Outreach and Education Program, focusing on its projects in the local community.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000171

**Title** Interface: Genes and the Environment, Issue Number 8, Spring 1996

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1996

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 8 pp; col; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, COEP activities, Ohio River Valley, Environmental equity, Rural populations, Rural health, Low-income communities, People of color

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about the Community Outreach and Education Program's collaborative partnership with the Rural Coalition, a Washington, DC-based advocacy organization representing low-income rural communities and rural people of color.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000172

**Title** Interface: Genes and the Environment, Issue Number 9, Fall 1996

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1996

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 8 pp; col; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, Life style, NIEHS Centers research and activities, COEP activities, Persian Gulf syndrome, Lead poisoning, Children's health, Central Europe/eastern Europe

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about public and environmental health problems in Central and Eastern Europe and the related international outreach and education activities in which University of Cincinnati faculty have participated.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000173

**Title** Interface: Genes and the Environment, Issue Number 10, Winter 1997

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1997

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Life style, Ethics, Health care costs, Environmental Genome Project

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article on ethical, legal, and social issues relating to genetic research, including discrimination, privacy, and emotional issues.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000174

**Title** Interface: Genes and the Environment, Issue Number 11, Spring 1997

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1997

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Pharmacogenetics

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about inter-individual genetic variation and differences in the metabolism of drugs, particularly psychotropic drugs.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000175

**Title** Interface: Genes and the Environment, Issue Number 12, Fall 1997

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1997

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col; figures

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Endocrine disruptors, Human Genome Project, Genotype, Phenotype, Pharmacogenetics, Asthma

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article summarizing genetic research techniques and recent findings relating to the correlation of traits with particular genes. Supplemental pieces comment on recent findings regarding endocrine disruptors in the environment and genetic pre-disposition to toxic effects of "fen-phen" therapy and to asthma.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000176

**Title** Interface: Genes and the Environment, Issue Number 13, Winter 1997-98

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1998

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Arsenic, Cancer

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about the toxicity and carcinogenicity of arsenic and advances in the understanding of arsenic's health effects on a molecular level.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000177

**Title** Interface: Genes and the Environment, Issue Number 14, Spring 1998

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1998

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, PCBs, PBBs, Central nervous system, Neurotoxicity syndromes, Pharmacogenetics

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about research on the toxic effects of polyhalogenated biphenyls, focusing on subtle neurological and central nervous system effects.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

AN 0000178

**Title** Interface: Genes and the Environment, Issue Number 15, Fall 1998

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1998

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Ethics, Genetic testing

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article that describes 1) the use and meaning of genetic testing in determining risk of disease; 2) related ethical, legal, and social issues, such as the potential for discrimination in employment and insurance; and 3) the Center's project (Learning Exchange for Genetic and Environmental Disease Solutions, or LEGENDS) to promote public understanding of these issues.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000179**

**Title** Interface: Genes and the Environment, Issue Number 16, Winter 1998-99

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1999

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col; ill

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Ethics, Genetic testing, Town meetings, Symposia

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article describing the events, speakers, and subjects discussed at the Center's January 1999 Regional Town Meeting and Symposium.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000180**

**Title** Interface: Genes and the Environment, Issue Number 17, Spring and Summer 1999

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1999

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 12 pp; col

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Dioxins, TCDD, PCBs, Endometriosis, Endocrine disruptors, Human genome

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article about evidence suggesting possible environmental causes (exposure to chemicals such as dioxins) and genetic causes of endometriosis.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000181**

**Title** Interface: Genes and the Environment, Issue Number 18, Autumn 1999

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 1999

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 10 pp; col; ill; figures

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Dioxins, Phenotype, Pharmacogenetics, Human genome

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article summarizing recent developments in genetic research related to the correlation of genes with traits and the causes of complex diseases.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.

**AN 0000182**

**Title** Interface: Genes and the Environment, Issue Number 19, Winter/Spring 2000

**Author(s)** Center for Environmental Genetics, University of Cincinnati

**Publication Year** 2000

**Publisher** Center for Environmental Genetics

**Format** Newsletter issue

**Language** English

**Audience** Scientists/researchers, General public

**Physical Description** 16 pp; col

**Availability** Public domain. No restrictions.  
PDF file currently available.

**See Web site:** <http://www.med.uc.edu/ceg/interfaceissuebuttons.html>

**COEP** University of Cincinnati

**Subjects** Genetics and genetic research, Environmental health, NIEHS Centers research and activities, COEP activities, Human Genome Project, Endocrine disruptors, Ethnic groups, People of color

**Abstract** This newsletter covers the research progress and outreach activities of the Center for Environmental Genetics at the University of Cincinnati and aims to inform the environmental research community about current issues in areas such as the relationship between genes and the environment, individual differences in response to environmental exposures, genetic counseling, and risk assessment. This issue features an article that explores the environmental influences that acted on early human populations and contributed to the evolution of genetic racial differences, as well as the reasons for and against including members of a variety of ethnic groups in clinical studies.

**Notes** To subscribe to the newsletter (distributed via email), join the "CEG-interface" mailing list at <http://listserv.uc.edu>.